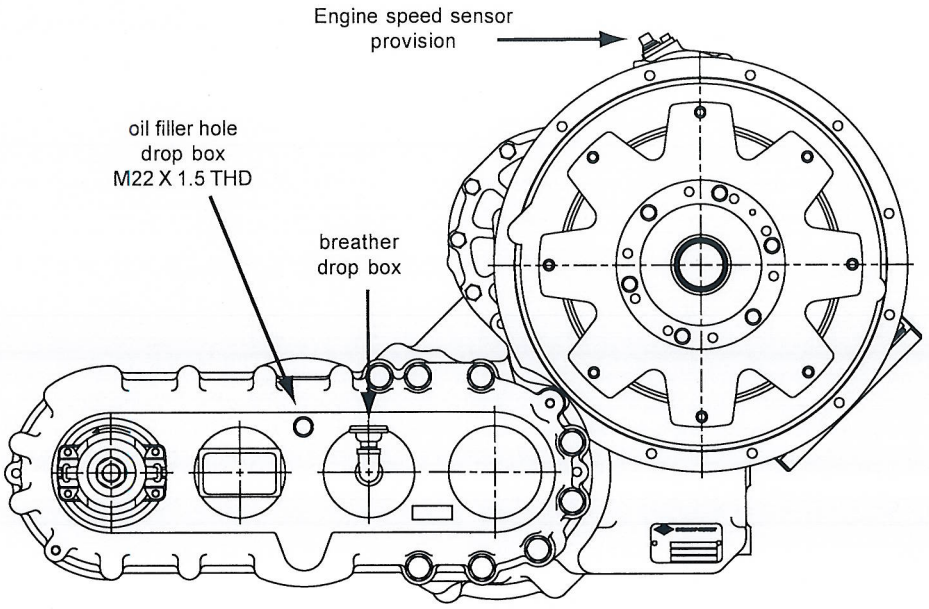
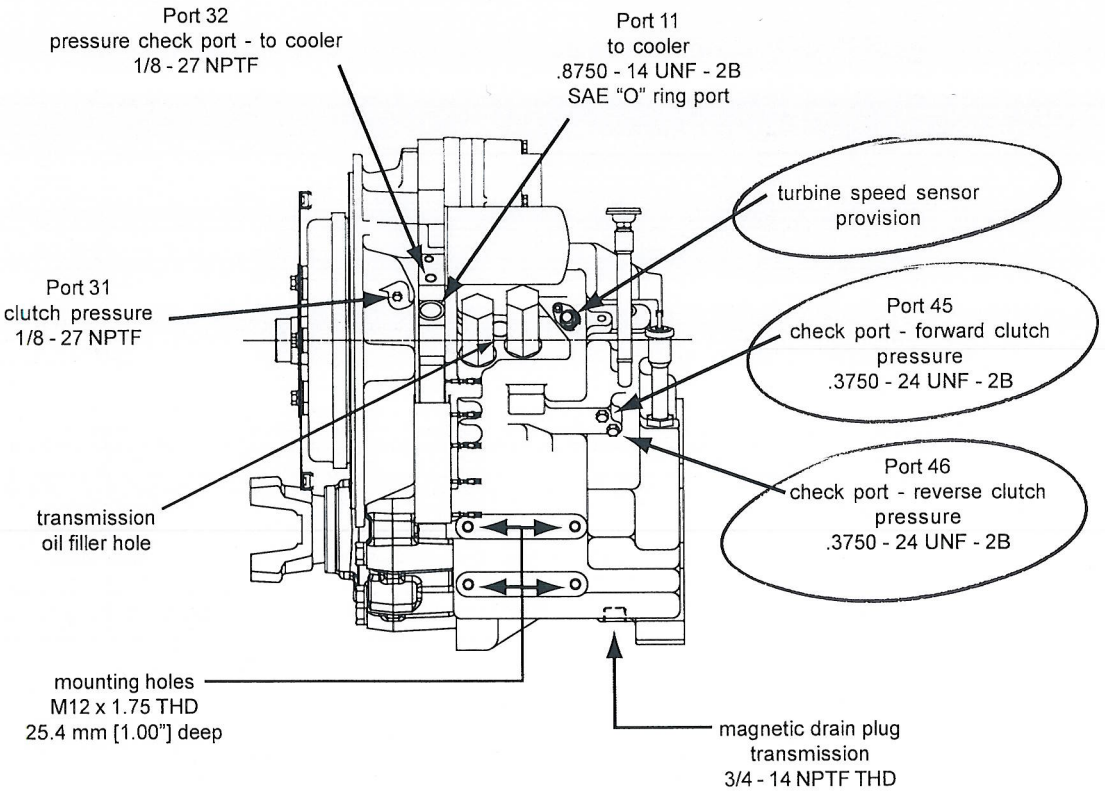
5.1 CHECK POINTS (CONTINUED)

5.2.1 Transmission with a 4 shaft drop box



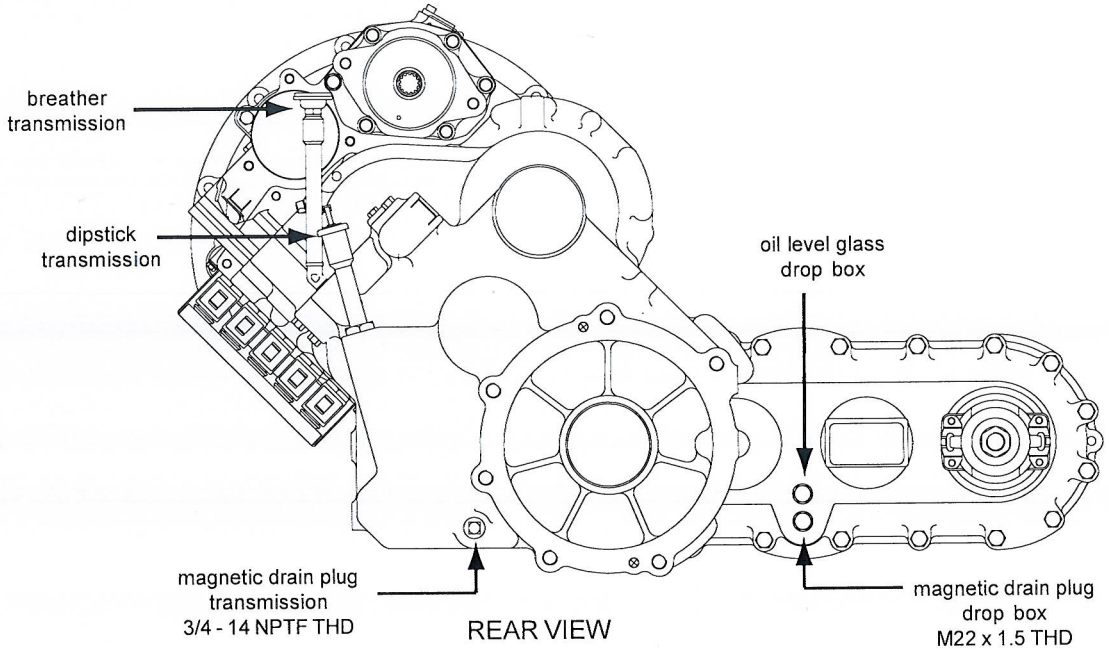
FRONT VIEW



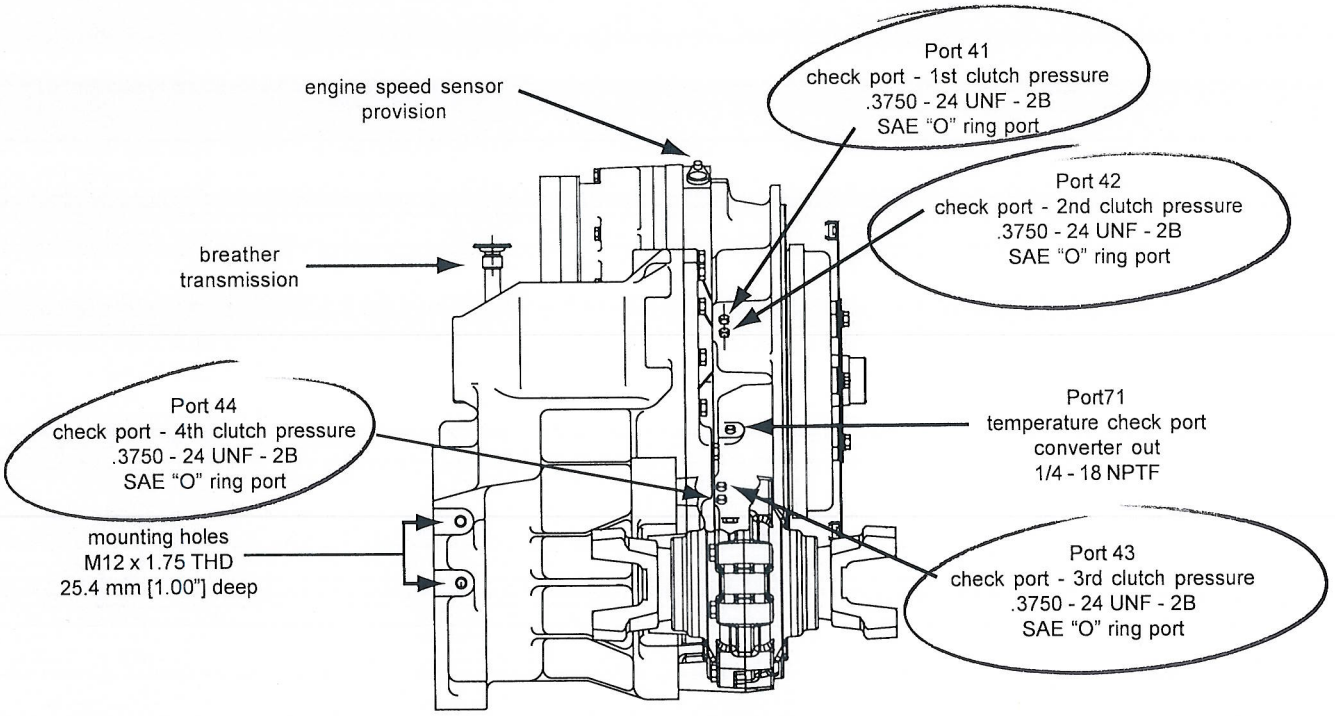
LEFT SIDE VIEW

5.1 CHECK POINTS (CONTINUED)

5.2.2 Transmission with a 4 shaft drop box



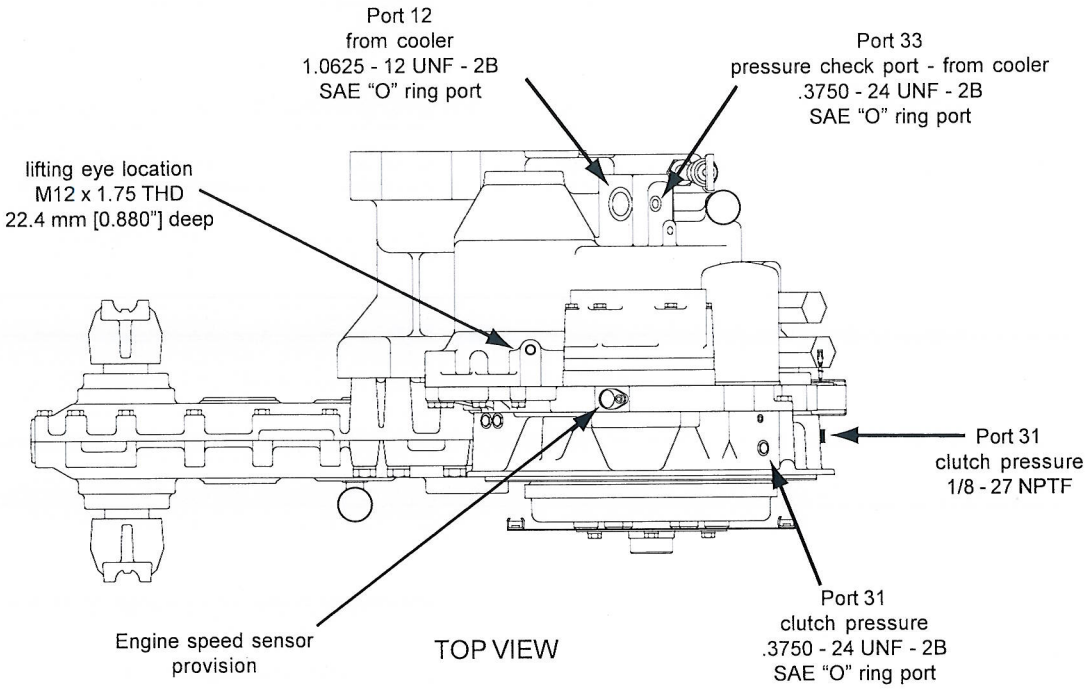
REAR VIEW



RIGHT SIDE VIEW

5.1 CHECK POINTS (CONTINUED)

5.2.3 Transmission with a 4 shaft drop box



3.4 PRESSURE AND TEMPERATURE SPECIFICATIONS

- Normal operating temperature 70 - 120 °C (158 - 248 F) measured at temperature check port converter out (port 71 - **).
- Maximum allowed transmission temperature 120 °C (248 F).
- Transmission regulator pressure (*) - (neutral) - port 31 (**).
  - At 600 RPM min. 12.76 bar (185 PSI) minimum.
  - At 2000 RPM: 19.31 bar (280 PSI) maximum.

- Pump flow (*)
  - At 2000 RPM in neutral: 53 l/min. minimum (14 GPM).

- Clutch pressures (*)
  - 1st clutch: port 41 (**).
  - 2nd clutch: port 42 (**).
  - 3rd clutch: port 43 (**).
  - Forward High clutch: port 44 (**).
  - Forward clutch: port 45 (**).
  - Reverse clutch: port 46 (**).

  At 1800 RPM :
  - 16.5 - 19.3 bar (240 - 280 PSI) clutch activated.
  - 0 - 0.2 bar (0 - 3 PSI) clutch released.

- Filter bypass valve set at 2.1 - 3.5 bar (*) (30 - 50 PSI).
- Lube pressure (*) (port 33) 2.9 - 4.0 bar (42 - 58 PSI) at 49 l/min. (13 GPM) pump flow (±1850 RPM).
- Safety valve: cracking pressure (*) 8.27 - 10.20 bar (120 - 148 PSI), measured at port 32 with convertor out shut off.
- Transmission out pressure (*) (port 32) 2.9-6.41 bar (42-93 PSI) at 49 l/min, (13 GPM) pump flow (±1850 RPM), and max. 8.27 bar (120 PSI) at no load governed speed.

(*) All pressures and flows to be measured with oil temperature of 82-93 °C (180-200 F)

(**) Refer to section 7 "Troubleshooting" for check port identification.